

Product sheet

Modular Regulator for Monochrome LED Strips 12-48Vdc

Brand: DINUY

Reference: DINUY RE EL2 LE2



Modular regulator for monochrome LED strips from 12 to 48Vdc, with a maximum capacity of 20A and power up to 480W. Uses PWM technology for precise control via button, potentiometer, or 0/10V signal. Includes memory function that restores state after power cuts and resettable protection against overloads and DIN rail installation.

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Description

The modular regulator for monochrome LED strips is an electronic control device specifically designed to manage continuous lighting sources between 12 and 48 volts. Its pulse width modulation (PWM) regulation technology allows precise adjustment of light flux without flickering, ensuring stable operation in residential, commercial, and industrial environments where dynamic lighting or constant dimming is required.

Technical Specifications

- Nominal input voltage: 12...12 Vdc
- Maximum current capacity: 20A
- Maximum power per 12Vdc strip: 240W
- Maximum power per 24Vdc strip: 480W
- Regulation technology: PWM (Pulse Modulation)
- Available control modes: Button, Potentiometer, or 0/10V Signal
- Integrated functions: Memory and Auto (state recovery after cut)
- Protections: Resettable overloads and short circuits
- Network configuration: Master/Slave for power expansion
- Mounting system: DIN rail, two-module width
- Panic entry: Integrated for security systems

- Body material: Matte grey thermoplastic (RAL 9003)
- Dimensions: 35 mm wide x 90 mm high x 65 mm deep
- Admissible cable section: 4 mm²
- Protection rating: IP20

This regulator offers superior operational versatility thanks to its multiple control interfaces and memory capability. By integrating auto-recovery functions, it ensures that lighting immediately resumes the desired level after an electrical failure, eliminating the need for manual reconfiguration. Its Master/Slave architecture allows scaling complex solutions by connecting several modules to control loads exceeding 20A individually, which is fundamental in large-scale projects.

Specifications

High	6.5
Width	9.0
EAN	8422447015126
Manufacturer	DINUY
Material	Plástico
Protection	IP20
Nominal voltage (V)	12...12 Vcc
Light power (W)	480

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